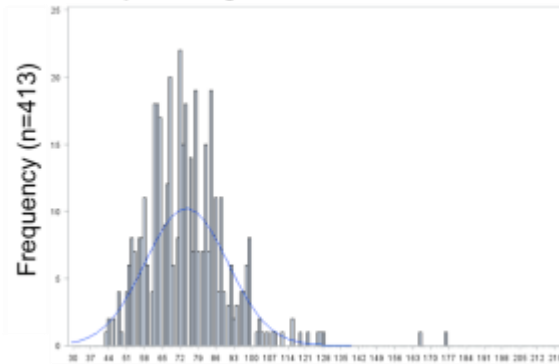
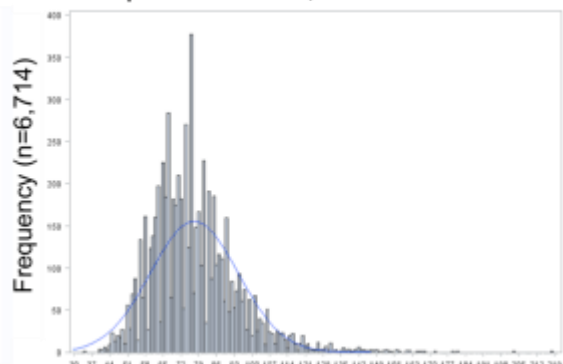


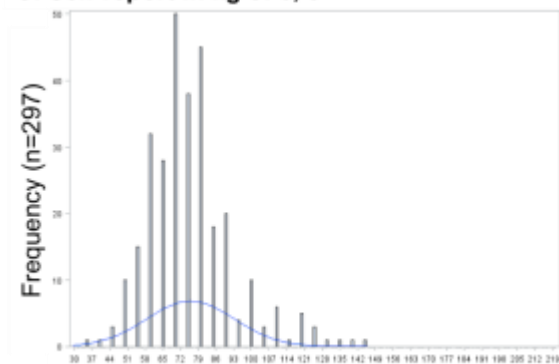
**A. Self-report in kg of 1-4, 6-9**



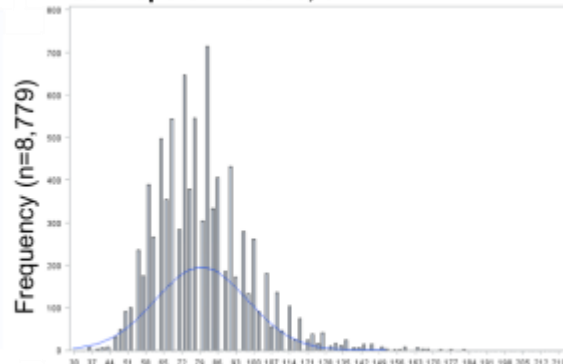
**B. Self-report in lb of 1-4, 6-9**



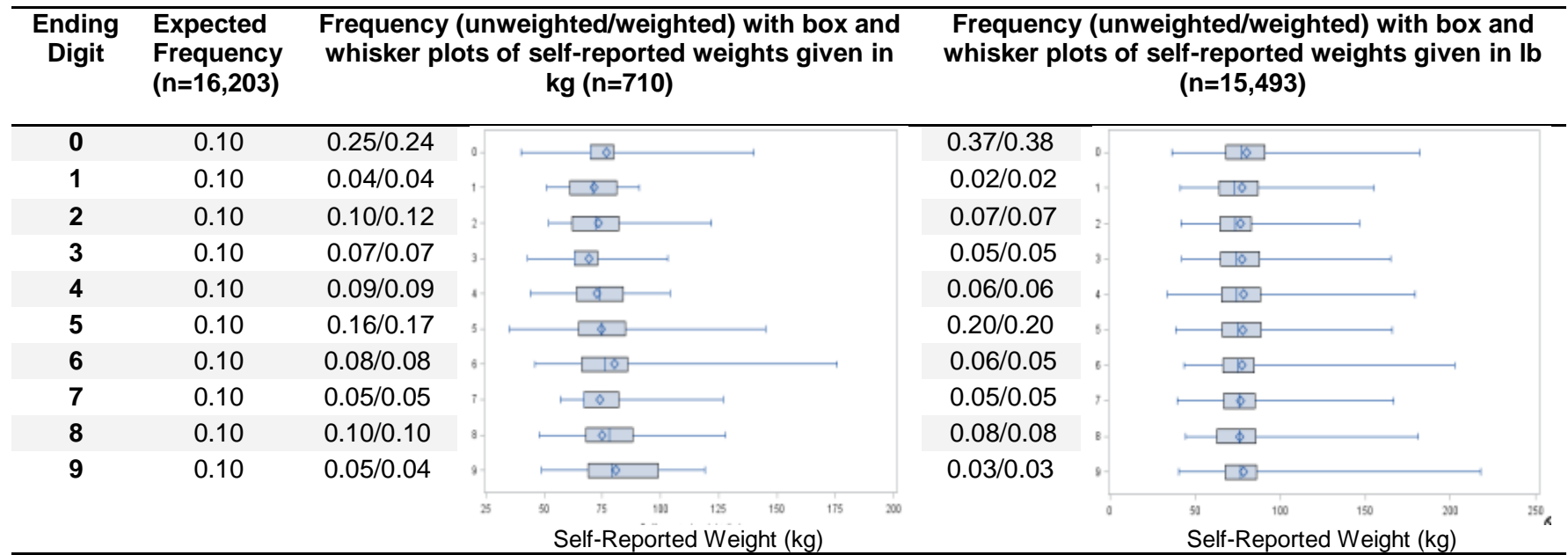
**C. Self-report in kg of 0, 5**



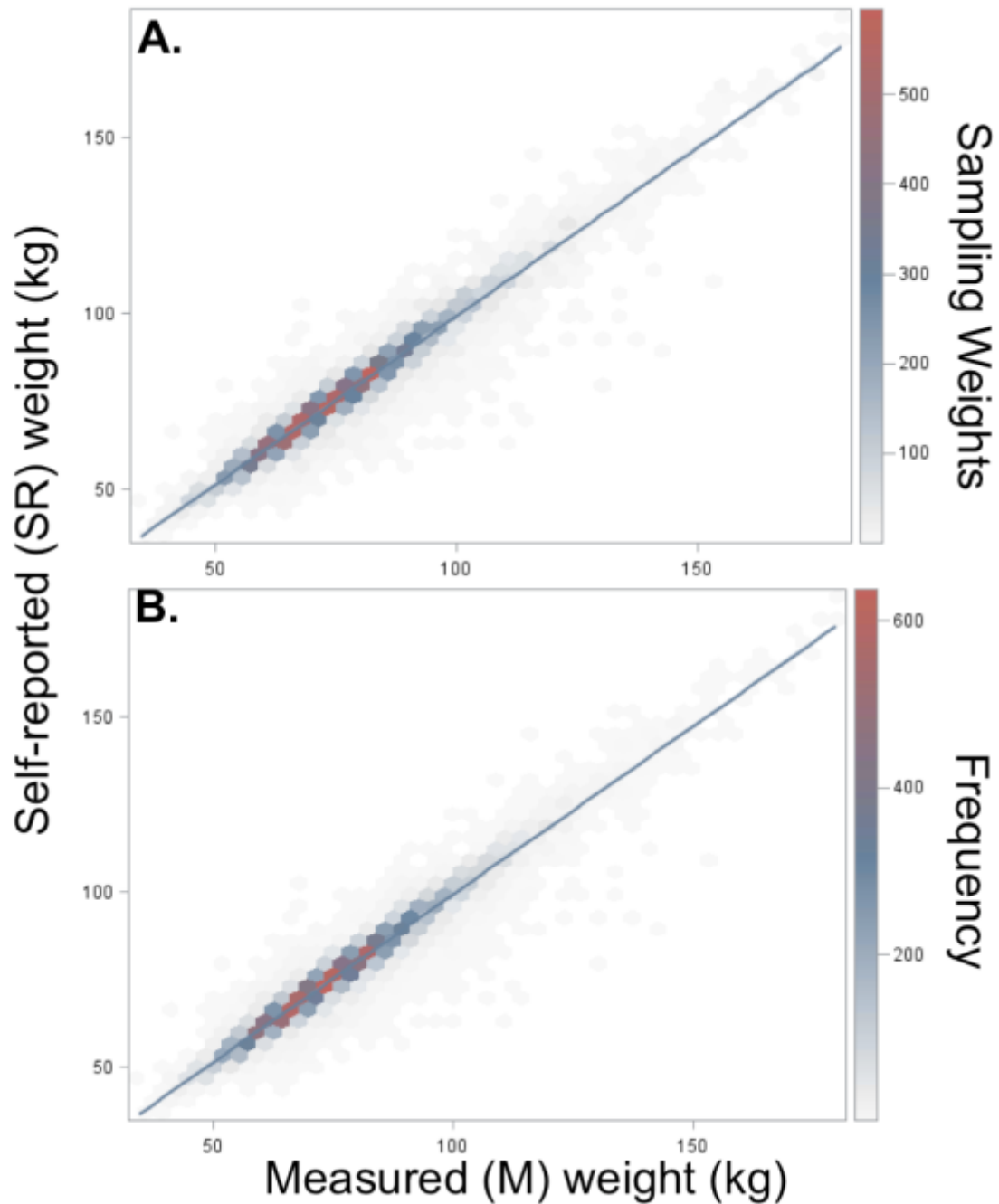
**D. Self-report in lb of 0, 5**



**eFigure 2A-D.** Histograms of the distribution of self-reported weights stratified by units of self-report and end digit preference for zeros and fives (Panel A: kg, 1-4 and 6-9 end digits, B: lb, 1-4 and 6-9 end digits, C: kg, 0 and 5 end digits, D: lb, 0 and 5 end digits) prior to data quality control (n=16,203).



**eFigure 3.** Frequency prior and after weighted for sampling design and distribution (box and whisker plots, where the box represents the interquartile range and the median, the diamond represents the mean, the whiskers represent the minimum and maximum) of self-reported weights (n=16,203) by units of self-report and end digit preference.



**eFigure 4A-B.** Hexagonal binning of quality controlled self-reported weight and measured weights at baseline examination (18-76 years of age) using 60 bins, a best fit regression line, and colored by either the sampling weight (Panel A, adjusted for complex sampling design) or the observation count (Panel B, unweighted).

**eTable 2.** Stratified mean differences between self-reported and measured weight<sup>a</sup> during baseline examination of Hispanic/Latino adults 18-76 years of age in the Hispanic Community Health Study/Study of Latinos (HCHS/SOL) across strata of key covariates before and after assigning 1,366 individuals (8.5% of sample) with missing covariates to a specific stratum in multiple imputations (25 stacked datasets of n=16,119).

		Before Multiple Imputation (n=15139 to 16119)			After Multiple Imputation, If Missing Covariates (n=16119)		
		N	Mean Diff. (kg) <sup>a</sup>	95% CI (kg)	Range of N	Mean Diff. (kg) <sup>a</sup>	95% CI (kg)
<b>Age at Examination (years)</b>	18-22	1236	-0.04	-0.40, 0.32			
	23-29	1385	-0.01	-0.34, 0.32			
	30-44	3954	0.12	-0.07, 0.31			
	45-59	6796	0.41	0.26, 0.56			
	60-76	2748	0.63	0.45, 0.81			
<b>Background by Site</b>	Dominicans- Bronx	1362	-0.64	-0.96, -0.31	1367-1374	-0.64	-0.96, -0.32
	Central American- Bronx	217	-0.97	-1.51, -0.43	217-222	-0.97	-1.51, -0.43
	Central American- Chicago	416	0.38	-0.05, 0.82	416-419	0.38	-0.05, 0.82
	Central American- Miami	1017	0.36	0.02, 0.71	1019-1022	0.37	0.02, 0.71
	Cubans- Miami	2229	0.52	0.36, 0.68	2233-2235	0.52	0.36, 0.68
	Mexicans- Bronx	203	-0.21	-1.12, 0.71	205-207	-0.08	-0.99, 0.83
	Mexicans- Chicago	2342	0.33	0.12, 0.53	2346-2351	0.33	0.12, 0.53
	Mexican- San Diego	3771	0.66	0.40, 0.92	3790-3795	0.66	0.40, 0.93
	Puerto Ricans- Bronx	1793	-0.15	-0.48, 0.18	1797-1805	-0.15	-0.48, 0.18
	Puerto Ricans- Chicago	764	-0.14	-0.69, 0.42	764-767	-0.13	-0.68, 0.42

	South American- Bronx	186	-0.58	-1.14, -0.01	186-191	-0.58	-1.14, -0.01
	South American- Chicago	366	0.20	-0.35, -0.75	366-369	0.20	-0.34, -0.75
	South American- Miami	461	0.44	-0.05, 0.92	461-463	0.44	-0.04, 0.92
	Other- Bronx	241	-0.84	-1.69, 0.01	241-244	-0.84	-1.69, 0.01
	Other- Chicago	150	-0.49	-1.51, 0.53	150-151	-0.49	-1.50, 0.53
	Other- Miami	290	0.44	-0.23, 1.11	290-293	0.44	-0.23, 1.11
	Other- San Diego	244	0.84	0.18, 1.50	244-249	0.84	0.19, 1.50
	Missing	67			0		
<b>Measured Body Mass Categories<sup>b</sup></b>	Underweight (<18.5 kg/m <sup>2</sup> )	117	2.76	1.94, 3.58	117-118	2.76	1.94, 3.57
	Normal Weight (18.5-24.9 kg/m <sup>2</sup> )	3153	1.09	0.94, 1.24	3153-3158	1.09	0.94, 1.24
	Overweight (25.0-29.9 kg/m <sup>2</sup> )	6058	0.52	0.39, 0.64	6059-6063	0.52	0.39, 0.64
	Obese (≥30.0 kg/m <sup>2</sup> )	6782	-0.59	-0.79, -0.39	6783-6788	-0.59	-0.79, -0.39
	Missing	9			0		
<b>Cancer History</b>	Yes	633	0.26	-0.44, 0.95	634-640	0.26	-0.43, 0.95
	No	15414	0.22	0.11, 0.33	15479-15485	0.23	0.12, 0.33
	Missing	72			0		
<b>Diabetic Status<sup>c</sup></b>	Normal Glucose Regulation	6752	0.30	0.15, 0.44	6753-6759	0.30	0.15, 0.44
	Impaired Glucose Tolerance	6224	0.05	-0.12, 0.22	6226-6234	0.05	-0.12, 0.22
	Diabetes	3130	0.42	0.18, 0.66	3130-3136	0.42	0.18, 0.66
	Missing	13			0		
<b>Education</b>	Less than high school or a GED	6078	0.25	0.05, 0.45	6099-6119	0.26	0.06, 0.46
	At most high school or a GED	4102	0.10	-0.10, 0.29	4114-4127	0.11	-0.09, 0.30
	More than high school or a GED	5868	0.29	0.14, 0.44	5882-5895	0.29	0.14, 0.44
	Missing	71			0		
	5, 10s	9029	-0.13	-0.29, 0.04			

<b>End Digit Preference</b>	1-4s, 6-9s	7090	0.72	0.61, 0.82			
<b>Gender</b>	Female, pre-, peri-menopausal <sup>d</sup>	5784	0.03	-0.14, 0.20			
	Female, post-menopausal	3874	0.24	0.06, 0.43			
	Male	6461	0.38	0.21, 0.54			
<b>Heart Failure History</b>	Yes	297	0.30	-0.35, 0.95	297-305	0.31	-0.34, 0.96
	No	15743	0.22	0.11, 0.33	15814-15822	0.23	0.12, 0.34
	N Missing	79			0		
<b>Health Insurance</b>	Yes	8035	0.21	0.05, 0.38	8210-8233	0.20	0.03, 0.36
	No	7793	0.26	0.12, 0.40	7886-7909	0.26	0.12, 0.40
	N Missing	291			0		
<b>Language Preference</b>	English	3242	0.04	-0.21, 0.28			
	Spanish	12877	0.29	0.18, 0.41			
<b>Nativity</b>	Born in the United States <sup>e</sup>	2819	-0.09	-0.38, 0.21	2821-2830	-0.09	-0.38, 0.21
	Foreign Born	13247	0.31	0.21, 0.42	13289-13298	0.32	0.22, 0.43
	Missing	53			0		
<b>Physical Activity Level<sup>f</sup></b>	Inactive	3623	0.22	0.02, 0.41	3640-3659	0.23	0.03, 0.42
	Low Activity	2152	0.16	-0.06, 0.37	2161-2172	0.17	-0.04, 0.39
	Medium Activity	1776	0.47	0.19, 0.74	1780-1794	0.47	0.20, 0.75
	High Activity	8450	0.19	0.04, 0.34	8507-8525	0.20	0.04, 0.35
	Missing	118			0		
<b>Smoking Status</b>	Never	9759	0.11	-0.02, 0.25	9794-9812	0.12	-0.02, 0.25
	Former	3174	0.48	0.25, 0.71	3186-3195	0.49	0.26, 0.72
	Current	3112	0.33	0.13, 0.54	3120-3131	0.34	0.13, 0.54

	Missing	74			0		
<b>Socioeconomic Status</b>	Less than \$30,000 USD	10315	0.23	0.09, 0.36	11031-11087	0.23	0.10, 0.36
	\$30,000 or more USD	4824	0.24	0.07, 0.41	5032-5088	0.23	0.05, 0.40
	Missing	980			0		
<b>Unit of Self-Report</b>	Kg	704	-0.03	-0.59, 0.52			
	Lb	15415	0.24	0.13, 0.35			

Abbreviations: CI=Confidence interval, Diff.=Difference, GED=General Education Development Equivalent of a High School Diploma, ref=Referent, SE=Standard error, USD=United States Dollars.

<sup>a</sup>Mean difference=self-reported minus measured weight (kg).

<sup>b</sup>Measured body mass index was calculated from measured current weight and height.

<sup>c</sup>As defined by the American Diabetes Association (Diabetes Care 2010;33:S62-69).

<sup>d</sup>Women reporting not reporting 'yes' to having reached menopause (change of life) were assumed to be pre- or peri-menopausal.

<sup>e</sup>As defined as being born in one of the 50 United States, not including United States Territories such as Puerto Rico.

<sup>f</sup>As defined in the 2008 Physical Activity Guidelines for adults (<http://www.health.gov/paguidelines/guidelines/default.aspx>).

**eTable 3.** Regression beta coefficients of predictors of accuracy of self-reported weight as compared to measured weight<sup>a</sup> (kg) in the Hispanic/Latino adults 18-76 years of age in HCHS/SOL (2008-2011) included in a complete case analysis (total n=14,753<sup>b</sup>).

		$\beta_{SR-M}$	SE	95% CI (kg)
<b>Age at Examination (years)</b>	18-22	0 (ref)		
	23-29	0.22	0.28	-0.32, 0.76
	30-44	0.50	0.23	0.05, 0.95
	45-59	0.73	0.22	0.29, 1.17
	60-76	0.76	0.27	0.23, 1.28
<b>Background by Site</b>	Dominicans- Bronx	0 (ref)		
	Central American- Bronx	-0.29	0.33	-0.94, 0.36
	Central American- Chicago	1.07	0.28	0.53, 1.61
	Central American- Miami	1.34	0.26	0.84, 1.85
	Cubans- Miami	1.22	0.20	0.82, 1.61
	Mexicans- Bronx	0.77	0.50	-0.21, 1.76
	Mexicans- Chicago	1.27	0.22	0.84, 1.70
	Mexican- San Diego	1.62	0.23	1.16, 2.07
	Puerto Ricans- Bronx	0.57	0.29	0.01, 1.14
	Puerto Ricans- Chicago	0.76	0.34	0.08, 1.43
	South American- Bronx	0.17	0.37	-0.56, 0.90
	South American- Chicago	0.99	0.30	0.41, 1.57
	South American- Miami	1.11	0.30	0.52, 1.70
	Other- Bronx	0.38	0.36	-0.33, 1.09
	Other- Chicago	0.65	0.51	-0.35, 1.66
	Other- Miami	1.18	0.41	0.38, 1.98
	Other- San Diego	1.70	0.42	0.88, 2.52
<b>Measured Body Mass Categories<sup>c</sup></b>	Underweight (<18.5 kg/m <sup>2</sup> )	1.81	0.49	0.85, 2.76
	Normal Weight (18.5-24.9 kg/m <sup>2</sup> )	0 (ref)		
	Overweight (25.0-29.9 kg/m <sup>2</sup> )	-0.77	0.10	-0.97, -0.57
	Obese ( $\geq$ 30.0 kg/m <sup>2</sup> )	-1.84	0.14	-2.10, -1.57
<b>Cancer History</b>	Yes	-0.20	0.36	-0.91, 0.52
	No	0 (ref)		
<b>Diabetic Status<sup>d</sup></b>	Normal Glucose Regulation	0 (ref)		
	Impaired Glucose Tolerance	-0.16	0.12	-0.40, 0.07
	Diabetes	0.24	0.16	-0.08, 0.56
<b>Education</b>	Less than high school or a GED	0.04	0.13	-0.22, 0.31
	At most high school or a GED	-0.08	0.12	-0.33, 0.16



	More than high school or a GED	0 (ref)		
<b>End Digit</b>	5, 10s	-0.84	0.10	-1.03, -0.65
<b>Preference</b>	1-4s, 6-9s	0 (ref)		
<b>Gender</b>	Female, pre-, peri-menopausal <sup>e</sup>	-0.36	0.13	-0.62, -0.10
	Female, post-menopausal	-0.38	0.14	-0.65, -0.11
	Male	0 (ref)		
<b>Heart Failure</b>	Yes	0.33	0.32	-0.31, 0.96
<b>History</b>	No	0 (ref)		
<b>Health Insurance</b>	Yes	0.13	0.13	-0.11, 0.38
	No	0 (ref)		
<b>Language</b>	English	0.29	0.19	-0.09, 0.67
<b>Preference</b>	Spanish	0 (ref)		
<b>Nativity</b>	Born in the United States <sup>f</sup>	-0.32	0.21	-0.73, 0.08
	Foreign Born	0 (ref)		
<b>Physical Activity</b>	Inactive	-0.03	0.13	-0.28, 0.23
<b>Level<sup>g</sup></b>	Low Activity	0.02	0.13	-0.24, 0.29
	Medium Activity	0.38	0.16	0.07, 0.68
	High Activity	0 (ref)		
<b>Smoking Status</b>	Never	0 (ref)		
	Former	0.23	0.14	-0.05, 0.52
	Current	0.19	0.14	-0.08, 0.45
<b>Socioeconomic</b>	Less than \$30,000 USD	0.14	0.10	-0.06, 0.34
<b>Status</b>	\$30,000 or more USD	0 (ref)		
<b>Unit of Self-Report</b>	Kg	-0.99	0.27	-1.52, -0.46
	Lb	0 (ref)		

Abbreviations: CI=Confidence interval, GED=General Education Development Equivalent of a High School Diploma, M=Measured weight, ref=Referent, SE=Standard error, SR=Self-reported weight, USD=United States Dollars.

<sup>a</sup>Difference=self-reported minus measured weight (kg). Multivariate difference was calculated from a multivariate linear regression model of mean difference on the above possible determinants of validity (independent variables).

<sup>b</sup>The sample sizes in each category are shown in eTable 2, above.

<sup>c</sup>Measured body mass index was calculated from measured current weight and height.

<sup>d</sup>As defined by the American Diabetes Association (Diabetes Care 2010;33:S62-69)).

<sup>e</sup>Women reporting not reporting 'yes' to having reached menopause (change of life) were assumed to be pre- or peri-menopausal.

<sup>f</sup>As defined as being born in one of the 50 United States, not including United States Territories such as Puerto Rico.

<sup>g</sup>As defined in the 2008 Physical Activity Guidelines for adults (<http://www.health.gov/paguidelines/guidelines/default.aspx>).